

# MOKTIK

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## EDUCATION

- ❖ B.Tech. Computer Science & Engineering | Vellore Institute of Technology
- ❖ Class XII (CBSE) | JMK International School

CGPA: 7.64 / 2022 - 2026

CGPA: 8.11 / 2022

## SKILLS

- ❖ **Technical Skills:** Python, Machine Learning, Prompt Engineering, Generative AI, LLM, NLP
- ❖ **Frameworks:** LangChain, CrewAI, FastAPI
- ❖ **Cloud:** AWS (S3, EC2, Redshift, Glue, Athena, Lambda), Azure, Docker, Kubernetes, CI/CD, MLOps
- ❖ **Databases:** MySQL, PostgreSQL, MongoDB, Chroma DB

## WORK EXPERIENCE

### Data Scientist Intern | QuantAI Private Limited, Auckland

May 2025 - August 2025

- ❖ Developed **GenAI-powered chatbot** that translates natural language into optimized SQL queries, automating analytical workflows by up to 80% using **Python, OpenAI (GPT-4, GPT-4o, Embedding Models), LLaMA models, and LangChain**, demonstrating expertise in **NLP and Generative AI**.
- ❖ Streamlined bot responses by 40% for accuracy and enhanced user experience through **prompt engineering (zero-shot, one-shot, few-shot prompting)**.
- ❖ Utilized **MySQL, Chroma DB** for efficient data storage and retrieval for AI-driven applications.
- ❖ Led PoC developments to automate processes in Financial Industry utilizing cutting-edge technologies such as **RAG, LangChain, and Generative AI**.

### AI & Analytics Trainee | Orion eSolutions Private Limited, Mohali

February 2025 - May 2025

- ❖ Spearheaded an AI-driven automation platform using **NLP and Generative AI** for Upwork job proposals, reducing manual application time by 90%.
- ❖ Optimized proposal quality and relevance through **prompt engineering, structured templates, and iterative LLM refinement**, improving response accuracy and client engagement rates.
- ❖ Maintained **SQLite, Chroma DB** ensuring efficient and scalable data management.
- ❖ Automated deployment processes by deploying applications on **Render Cloud** ensuring scalability and seamless integration with cloud platforms.

### Data Scientist Intern | Entritt Solutions Private Limited, Mohali

September 2024 - February 2025

- ❖ Developed a **credit risk model** to predict loan default probability, achieving 92% accuracy and improving underwriting decision reliability for lending use cases.
- ❖ Performed **data preprocessing, feature engineering, and EDA** to enhance data quality and model reliability.
- ❖ Implemented and compared **Logistic Regression, Random Forest, and XGBoost**, increasing **ROC-AUC** by 15% over baseline models through hyperparameter tuning and feature optimization.
- ❖ Delivered an **end-to-end ML pipeline** covering **data ingestion, model training, validation, and inference**, enabling scalable and reproducible credit risk analysis.

## PROJECTS

### Annie – Virtual Loan Assistant

- ❖ Built an **Agentic AI** loan assistant using **CrewAI and LLM orchestrating multi-agent workflows** for eligibility checks, Q&A, and loan processing, reducing manual underwriting effort by 60%.
- ❖ Automated document parsing, EMI simulations, and explainable credit decisions via tool-calling agents, cutting application turnaround time by 45%.

### Anomaly Detection & Inference System

- ❖ Engineered a scalable **Anomaly Detection** pipeline using **Autoencoders and PyTorch** to detect fraudulent patterns in transactional data, improving **fraud detection recall by 15%**.
- ❖ Deployed a low-latency inference service using **FastAPI** for real-time authorization, achieving a **15% reduction in False Positive Rate** to minimize friction for legitimate customers.

## ACHIEVEMENTS

- ❖ Selected among **top 3%** nationwide for **Amazon ML Summer School 2025**.
- ❖ Awarded **1st Runner-Up** in the 7th Edition of Dattansh **Data Analytics Hackathon** at SCIT, Pune.
- ❖ Achieved a **3-Star rating in SQL** on **HackerRank**, demonstrating proficiency in SQL.

## CERTIFICATIONS

- ❖ **Certifications:** IBM AI Engineering Professional Certificate, OCI Certified Data Science Professional
- ❖ **Leadership:** Head of Finance at The VITronix Club, Technical Lead at Null VIT Bhopal Student Chapter